

Activated Carbon Mask

◆ Product Description

activated carbon mask is the perfect combination of protection and comfort. Using advanced technology, it is carefully configured with multiple layers of filtration structure. The outer layer efficiently blocks large particles such as dust and pollen, while the inner layer with high-quality activated carbon strongly adsorbs odors and harmful gases, such as formaldehyde and benzene. With excellent filtration efficiency, it can effectively safeguard your respiratory health. The ergonomic design fits the contour of the face, and the soft and elastic ear straps ensure no oppressive feeling even after long-term wearing. It has good air permeability, allowing you to say goodbye to stuffiness.

- High-efficiency Filtration of Harmful Particles
- Strong Adsorption of Harmful Gases
- Comfortable and Close-fitting Design
- Good Air Permeability
- Safe and Environmentally-friendly Materials

◆ Product Structure

The activated carbon mask is composed of multiple layers.

- The outer layer is non-woven fabric, which plays a role in preliminary filtration, blocking large particles, having abrasion resistance and water resistance, and can protect the internal filter layer and extend the service life of the mask. The filter layer is a core part, composed of special fiber materials, which can effectively filter fine particles through multiple mechanisms. The activated carbon layer is a key structure, composed of high-quality activated carbon particles or fibers, which can adsorb harmful gases and odors. The inner layer directly contacts the skin, made of soft and skin-friendly materials, providing a comfortable wearing experience, absorbing moisture and being breathable. The ear straps or headbands are made of elastic materials, ensuring that the mask fits tightly on the face and guarantees the protective effect.

◆ Typical Applications

- Activated carbon masks are ideal for daily commuting, industrial work, medical settings, and household use. They effectively filter PM2.5, dust, and pollen while neutralizing harmful gases like formaldehyde, smoke, and exhaust fumes. Perfect for smoggy days, renovation projects, hospital visits, allergy sufferers, and cycling commuters, these masks deliver dual protection with breathable comfort.



◆ Typical Product Data and Physical Properties

Material Composition:

Outer Layer: Hydrophobic Non-woven Fabric

Layer 2: Melt-blown Fabric

Layer 3: Activated Carbon Layer

Inner Layer: Skin-friendly Non-woven

Filtration Efficiency: $\geq 95\%$ Particulate Matter

Activated Carbon: $\geq 35\text{mg/cm}^2$

Breathability: Inhalation Resistance $\leq 85\text{Pa}$, Exhalation $\leq 65\text{Pa}$

Ear Loop Elasticity: Tensile Strength $\geq 10\text{N}$, Elongation $\leq 150\%$

Availability:

Item#	Size	Weight	Packing Method
1.1.06.06.0002	One Size	Weight	50pcs/bag 40 bags/carton

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only

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